

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

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12. (New) A coupler having a core, said core having a closed perimeter of a

thickness, said coupler also including two primary windings and a secondary winding, the two primary windings crossing within the perimeter of said core, the secondary winding being wrapped plural times around said thickness of said perimeter without crossing said primary windings, said secondary winding being comprised of wire that is a plurality of times thinner than said primary windings, said secondary winding being wrapped around said core a larger number of times than the primary windings combined.

13. (New) The coupler of claim 12 wherein the primary coils are wired symmetrically to induce identical currents.

14. (New) The coupler of claim 13 wherein the number of turns in the secondary coil is at least five times the number of turns in the primary coils.

15. (New) The coupler of claim 14 wherein the primary coils are thick enough to carry power and data, and wherein the secondary coil is not thick enough to carry the data.

16. (New) The coupler of claim 13 wherein the primary coils and secondary coils are perpendicular to each other as arranged on the core.

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